

YC1000-3

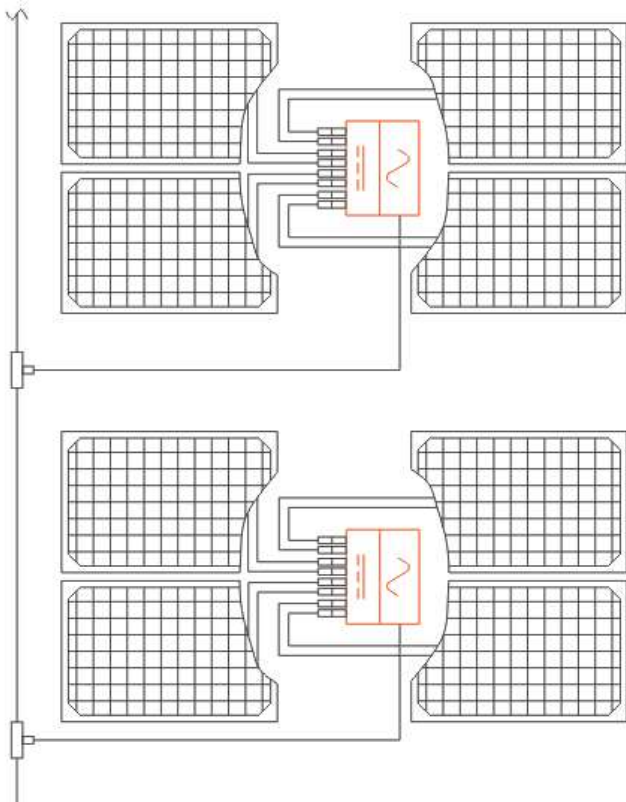
Commercial Microinverter

- Single unit connects up to four modules
- 1000W Maximum AC output
- True 3-phase output
- ZigBee wireless communication and Free module-level monitoring
- Up to 48 solar modules (60 or 72-cell) can be linked in a single 20A circuit*

*Please see YC1000 user manual on specifications for 230/400VAC.

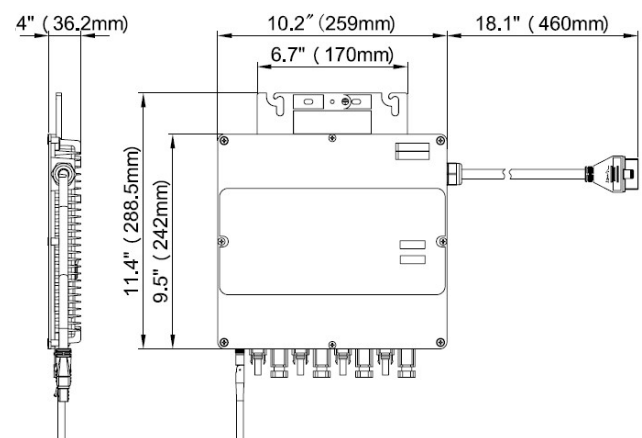
World's first true 3-phase microinverter – only from APsystems

WIRING SCHEMATIC



The YC1000 is the industry's first true 3-phase solar microinverter, handling commercial grid voltages of 230/400 with 1000 watts maximum output, ZigBee communication and an integrated ground. Each YC1000 supports up to 4 solar modules.

DIMENSIONS



APsystems YC1000-3 Microinverter Datasheet

Region All European and MEA countries

Model YC1000-3

Input Data (DC)

Recommended PV Module Power (STC) Range Up to 310 Wp (4 Module configuration)
Up to 360 Wp (3 Module configuration)

MPPT Voltage Range 16V-55V

Operation Voltage Range 16V-55V

Maximum Input Voltage 60V

Maximum Input Current 14.8A x 4

Output Data (AC)

Maximum Output Power 1000W

Nominal Output Voltage 3 phase 230/400V- 50Hz

Nominal Output Current 1.3A x 3

Nominal Output Frequency 50Hz

Power Factor >0.99

Total Harmonic Distortion <3%

Maximum Units per Branch (20 A) 12 for 20A X 3 Breaker / 48 Modules

Efficiency

Max. Inverter Efficiency 95%

CEC Weighted Efficiency 94.5%

Nominal MPPT Efficiency 99.9%

Night Power consumption 300mW

Mechanical Data

Operating Ambient Temperature Range -40 °C to +65 °C

Storage Temperature Range -40 °C to +85 °C

Dimensions (W x H x D) 259mm X 242mm X 36mm

Weight 3.8kg

AC Cable Maximum Current 20A x 3

Connector type MC4

Enclosure Rating IP67

Cooling Natural Convection - No fans

Features & Compliance

Communication (Inverter to ECU) ZigBee (Wireless)

Monitoring Module-Level via EMA ** software

Transformer design High frequency transformers, galvanically isolated

Safety and EMC Compliance EN 62109-1; EN 62109-2; EN61000-6-1; EN61000-6-2;
EN61000-6-3; EN61000-6-4;

Grid Connection Compliance EN50438

Warranty 10 years standard ; 20 years optional

**Energy Management Analysis

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Specifications subject to change without notice

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